



Professional Packaging Systems

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Orion FA Automatic Turntable Stretch Wrapper

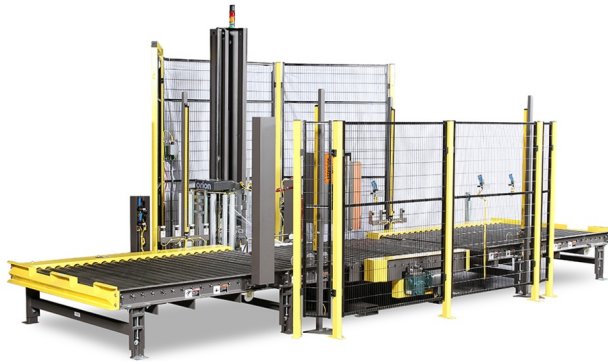
At a Glance

- Category 2 Safety Rating includes full surround 8 foot high steel mesh fencing
- MicroLogix 1400 PLC from Allen Bradley with a 6 inch color HMI
- Insta-Thread film delivery system reduces your film cost
- Highly-reliable chain and sprocket system that provides precise movement

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.



Category 3 Safety Rating

The Orion FA offers Category 3 Safety Rating as standard equipment. Category 2 Safety Rating includes full surround 8 foot high steel mesh fencing with interlocked access points as well as infeed and exit light curtains with electronic muting.

Allen Bradley Controller / VFD Drives

The Orion FA utilizes the powerful MicroLogix 1400 PLC from Allen Bradley with a 6" color HMI operator control panel. All AC motors with VFD drives insures high reliability and low maintenance. For convenience, there is an external PLC com port on the outside of the controller along with two 115VAC outlets.

Heavy Duty Frame & Conveyors

Unlike some machines in the marketplace, Orion builds its machine frames from structural and plate steel for maximum durability in tough industrial environments. Powder coat paint provides a tough and attractive finish sure to last for decades. The standard Orion Elite conveyors have a maximum weight capacity of 4,000 pounds and feature powered chain driven rollers propelling loads at 30 fpm. The soft-start and soft-stop function prevents load displacement by starting and stopping load movement gently.

Maximum Economy Film Carriage

Orion's proven Insta-Thread film delivery system reduces your film cost with every load you wrap by pre-stretching film up to 300% prior to wrapping. The carriage features an electronic corner compensation system that speeds up film delivery when the corner of the load pulls against the film

supply, thus assuring even tension on all parts of the load, better film economy, and elimination of spilled loads during wrapping. The ergonomically designed carriage faces the side for fast and easy film roll loading.

Heavy Duty Chain & Sprocket Turntable Drive

The FA turntable is driven by a highly-reliable chain & sprocket system that provides precise movement of the turntable and making it extremely easy to maintain and service. The base FA system includes one infeed conveyor, conveyORIZED turntable and one exit conveyor.

Safety, Speed, & Secure Containment

Safety

Industry leading Category 3 Safety is standard. The FA also uses separate high and low side electrical cabinets (NEMA-12 and UL rated) that reduce noise, and allow service techs to access that work space more safely. Plus, the FA has steel mesh fencing, and multi-zone e-stop feature with interlocked access points.

Speed

The FA includes powered infeed, turntable, and exit conveyors. Loads are automatically sequenced through the conveyors, and controlled by photocells and PLC. Our system attaches the film tail at the cycle start, quickly wraps, then cuts and wipes the film tail to the load. The forklift operator simply drops the load and moves on!

Secure Containment

The FA used Orion's Insta-Thread™ film carriage that applies film with a stabilizing 260% pre-stretch and incorporates force-to-load and corner compensation features to apply even film tension across the entire load. Plus, our Revo-Logic technology with photo-eye sensors ensure precise application of programmed wraps — maximizing load containment and film yield.

Features & Benefits

20" Insta-Thread Film Carriage with standard 260% pre-stretch, labor saving film tail attach, cut & wipe automatically secures film

CAT-3 electrical safety with separate high and low side panels

Revo-Logic technology with photo-eye sensor carriage ensures precise application of programmed wraps — maximizing load containment and film yield, and automatic load height sensing photo-eye

Separate up and down film carriage speed control and top and bottom adjustable wrap counts (from 1 - 20)

Automatic force-to-load control

Precision ring bearing turntable support with 4,000 lb turntable load capacity

Heavy duty chain & sprocket turntable drive

Low maintenance, long lasting AC motors and Variable Frequency Drive (VFD) controllers

User friendly 10" IntelleVue color touch screen HMI

Up to 15 RPM with adjustable soft-start

Web based dashboard for remote viewing of machine data

Structural steel construction for durability

Space saving, small footprint design

Please [contact Pro Pac](#) or call 888-318-0083 for your stretch wrapping equipment.

Specifications

Turntable & Load

Turntable RPM	1 - 15 RPM
Maximum Load Weight	4,000 lbs
Maximum Load Size	48"W x 48"L x 80"H
Minimum Load Size	30"W x 30"L x 15"H

Conveyors

Elite Conveyors Base System	1 Infeed, Turntable, 1 Exit
Conveyor Types	Powered Chain Driven Roller
Roller Diameter & Centers	2.5" Diameter Rollers on 3.25" Centers
Pass Height	18" from Floor
Speed	0 FPM with Soft-Start
Control	ABB VFD Drives
Floor Support	Steel Channels with Slotted Adjustment & Pivoting Feet

Controls & Drives

PLC Controller	Allen Bradley MicroLogix 1400 w/Ethernet and two Serial Communication Ports
Control Panel HMI	Telemecanique Magelis 5.7' Color
Motors	AC Motors with Allen-Bradley Power Flex VFDs
NEMA Rating	NEMA 12
Safety Rating	Category 2

Film & Carriage

Film Width - Film Carriage	20"
Film PreStretch	260%
Film Tail Containment	Pneumatic, Fold-Away with Air Blower
Film Tail Treatment	Hot-Wire Film Severance with Pneumatic Wipe-Down Loop

Independent Carriage Up/Down Controls	Variable Speed Up & Down
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Independent Top/Bottom Wrap Controls	1 to 9 Wraps Available
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Structure & Finish

Base Frame	Structural Steel Tubing
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Film Mast	Structural Steel Tubing
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Finish	Baked On Powder Coat Paint
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Utilities

Standard Voltage	480/3/60 (4 Wire w/ 3 Lines Ground) 30 AMP
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Air Requirements	80 PSI @ CFM
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Warranty

Components	3 Years
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Structural Frame	5 Years
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PreStretch Rollers	Lifetime
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